

Notice of Allowability

Application No.

09/236,017

Examiner

Jessica L. Rossi

Applicant(s)

GREVEN, RICHARD

Art Unit

1733

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to Interview Summary, 5/19/04.
2. ☒ The allowed claim(s) is/are 22.
3. ☒ The drawings filed on 22 January 1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 05192004.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Feldman on 5/19/04.

2. The application has been amended as follows:

Claim 22, line 2: "shape" was deleted and --article-- was inserted.

Claims 23-40: canceled.

3. The following is an examiner's statement of **reasons for allowance**:

With respect to claim 22, the prior art fails to teach or suggest a method of forming a complex aerodynamic and hydrodynamic article comprising conforming a honeycomb core to the shape and contour of a mold having an open surface by applying pressure to the top surface of the honeycomb wherein **before removing the pressure and before removing the honeycomb from the mold, the conformed honeycomb is cut substantially parallel to the open surface of the mold**, whereby the honeycomb has a thickness defined by a distance between the mold contour and the cut surface.

US 3196533 to Ida teaches abutting a honeycomb core against an open mold having an open surface and a contour and shape, conforming the honeycomb to the shape of the mold by applying pressure to the top surface of the honeycomb by means of an explosive charge or shock wave, removing the pressure, removing the conformed honeycomb from the mold, and cutting

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the conformed honeycomb to its final shape (Figures 4-5 and 6-7; column 4, lines 25-27; column 4, lines 35-55; column 4, lines 65-66; column 6, lines 43-45; column 7, lines 5-8). However, the reference fails to teach or suggest cutting the honeycomb before removing the pressure, cutting the honeycomb before removing the honeycomb from the mold, and cutting the honeycomb substantially parallel to the open surface of the mold.

US 2855664 to Griffith teaches abutting a honeycomb core against a contoured mold, conforming the honeycomb to the shape of the mold by applying pressure to the top surface of the honeycomb by means of a cover and form plate, removing the pressure, and cutting the conformed honeycomb substantially parallel to the open face of the contoured mold such that the honeycomb has a thickness defined by a distance between the mold contour and the cut surface (Figures 3-4; column 1, lines 65-66; column 2, lines 11 and 31; column 2, lines 35-36). However, the reference fails to teach or suggest cutting the honeycomb before removing the pressure.

4. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

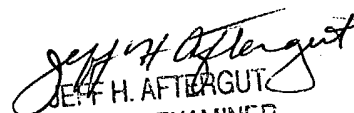
Any inquiry concerning this communication or earlier communications from the examiner should be directed to **Jessica L. Rossi** whose telephone number is **571-272-1223**. The examiner can normally be reached on M-F (8:00-5:30) First Friday Off.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard D. Crispino can be reached on 571-272-1226. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Jessica L. Rossi
Patent Examiner
Art Unit 1733



JEFF H. AFTERGUT
PRIMARY EXAMINER
GROUP 1300